

NOR DSAR

- Norwegian Data Storage and Retrieval Services

A key part of military operations is the handling and distribution of information. The KONGSBERG NOR DSAR provides a state-of-the-art capability for storing, managing and disseminating of Joint Intelligence, Surveillance and Reconnaissance (JISR) and Operational (C2) data and information. The NOR DSAR supports Cross Community Decision Support through its critical information infrastructure giving a network centric access to information.

KONGSBERG's DSAR functionality is based on reuse of the Alliance Ground Surveillance (AGS) System Master Archival/Retrieval Facility (SMARF). The AGS SMARF capability is developed by KONGSBERG for NATO as part of the AGS Programme and was installed at the AGS Main Operating Base (MOB) at Sigonella, Italy, in the summer of 2015.

KONGSBERG's NOR DSAR is highly adaptable, and will effectively support networked user throughout complex and unpredictable operational environments. With a Service-Oriented Architecture NOR DSAR offers flexibility and growth potential in support of current, emerging and future needs.



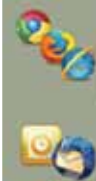
NOR DSAR

www.kongsberg.com

FEATURES:

- Military Grade Cloud Service
- Data Driven Decision (Big Data) Backbone
- Mass Market Clients connection (i.e. MS Office)
- Very Large and Long-Duration Persistent Storage
- Deployment and Scalability for Tactical to Enterprise Levels
- Military and open Standards
- Open and Modular Design
- Service-Oriented Architecture (SOA)
- NATO Network-Enabled Capabilities (NNEC)

Mass Market



- Web Browsers
- Download Managers
- RSS readers (subscription)
- OpenSearch Clients



CAPABILITIES

The KONGSBERG's NOR DSAR offers effective and timely availability and dissemination of data and information to both military and civilian users. By aiming the NOR DSAR solution towards both Military standards and Open Geospatial Consortium (OGC) standards, the NOR DSAR can provide data driven decision support (big data) for the Norwegian Armed Forces. NOR DSAR stores, manages and disseminates meta-data and data from various sensors and other data information sources in a life-cycle perspective.



FLEXIBILITY

The NOR DSAR supports storage and dissemination of operational surveillance and command and control data, ranging from real-time situation awareness to long-term trend analysis and forensics. By utilizing Service-Oriented Architecture technology the NOR DSAR is highly flexible and offers scalability, enabling interoperability to and use in a variety of applications and installations, and ranging from strategic enterprise to tactical levels.



INTEROPERABILITY

As described in capabilities the NOR DSAR enables interoperability with a wide range of NATO and National JISR and C2 capabilities through adherence to NATO STANAGs and agreements. This approach enables NOR DSAR to integrate with NATO and the nations in a seamless and network oriented manner.

The NOR DSAR also ensures wider interoperability to «the Internet of things» through its open and widely accepted web services, as it efficiently gaps the bridge between military and civilian standards for mass market application usage.

DATA INTERFACES:

- STANAG 4559 NATO ISR Library Interface (NSIL) / Coalition Shared Database (CSD)
- OGC Web Services (OWS) Common Standard/OpenGIS® Catalogue Services Specification (Web Interfaces)
- STANAG 5516 (track data and related messages)
- STANAGs 3277 and 3377, ADatP-3 (Formatted text messages)
- STANAG 4633 (ESM)
- STANAG 4676 (ISR tracks)
- STANAG 5527 (NFFI data)
- STANAG 4609 (Moving video)
- XMPP (Messaging)
- Unstructured Data (Any File)

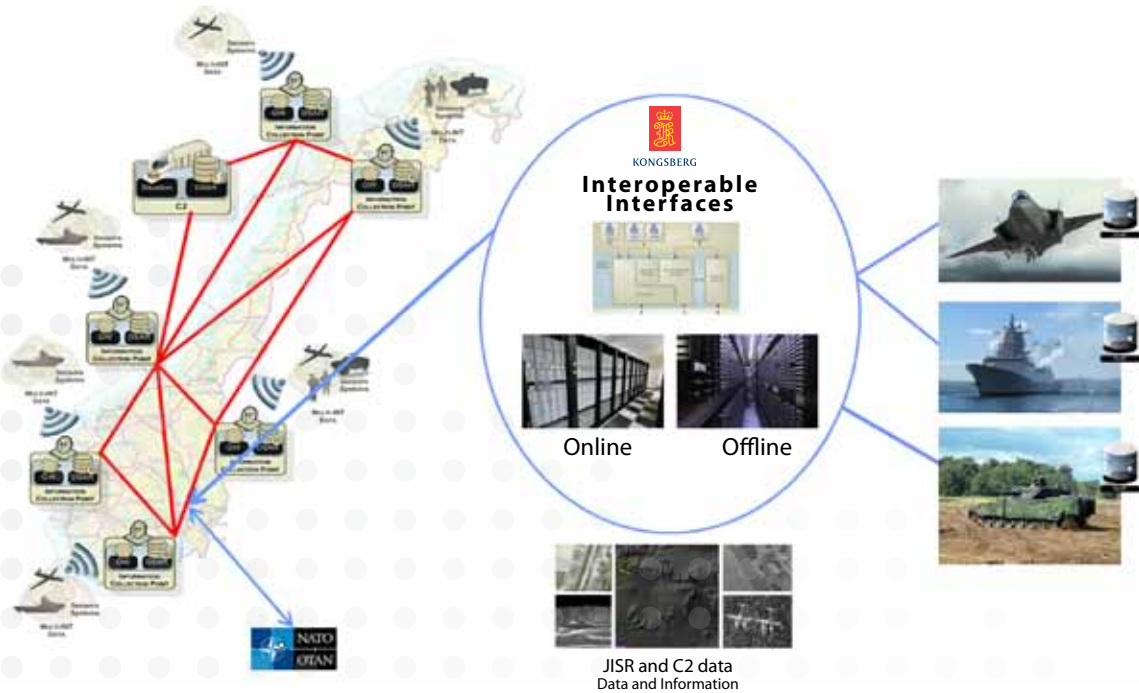
DATA FORMATS:

- STANAG 4607 (GMTI data)
- STANAG 4545 and 7023 (SAR, ISAR, EO, and IR imagery, Exploited imagery)

**Data Dissemination to National and NATO users
(NOR DSAR Network Services)**

**Long Term Storage
(NOR DSAR Strategic Services)**

**Sensor Integration
(NOR DSAR Tactical Services)**



WORLD CLASS
- through people, technology and dedication

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